



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa 531 162, Bheenukipatnam Mandal, Visakhapatnam Dist

DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on the feedback collected on curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action taken
Students	<ol style="list-style-type: none">1. Economics topics can be increased in CPEED course2. Nanotechnology course can be included in curriculum3. Softwares like ASPEN and MATLAB to be included in curriculum4. More industrial visits and trainings need to be provided	<ol style="list-style-type: none">1. It is placed in BoS 2023 for approval2. It is included in curriculum as an elective3. Python and DWSIM are included in the curriculum. ASPEN and MATLAB are being implemented as value added courses4. Industrial trainings are included after 2nd year 2nd semester and 3rd year 2nd semester from R-20 regulations
Faculty	<ol style="list-style-type: none">1. Faculty suggested to add fuel cell topic in CETD course2. Insurance topic can be included in CPEED course3. Drying and leeching equipment may be reduced in Mass Transfer - II course	<ol style="list-style-type: none">1. It will be placed in BoS 2023 for approval2. It will be placed in BoS 2023 for approval3. The syllabus can be reduced and will be placed for approval in BoS 2023
Alumni	<ol style="list-style-type: none">1. A few Alumni suggested to include simulation tools2. A few Alumni suggested to include pharmaceutical related courses	<ol style="list-style-type: none">1. Simulation tool DWSIM is added to curriculum from 2018-19 onwards and python course is added from 2019-20 onwards. Aspen and MATLAB are implemented as value added courses.

Employers	1. Softskills and communication skills need to be improved	1. Measures are taken to improve soft and communication skills for students as a part of curriculum by organizing course presentations, JAM sessions, presentations in conferences and project presentations. From 2021-22, seminar course in 2nd year 2nd semester is included in the curriculum to focus on these skill sets.
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R. Srikanth

Prof. R. Srikanth

HOD

Chemical Engineering

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DEPARTMENT OF CIVIL ENGINEERING

Feedback on Curriculum from Faculty

Action Taken Report and Impact Analysis

Academic Year 2021-2022

S.No.	Course Code & Course Title	Suggestions	Analysis & Action taken	Impact Analysis
1	Fluid Mechanics Lab – I and II	It is suggested to merge Fluid Mechanics Lab – I and II labs and make it as one lab Fluid Mechanics Lab for the purpose of incorporating more recent software labs	To be presented in Board of Studies Meeting in March/April 2022. BoS Coordinator for necessary Action.	Accepted and Approved in the Board of Studies Meeting in March/April 2022

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Department of CSE


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2021-22


Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> OOAD subject is little boring, and all topics are already covered software engineering CN syllabus should be reduced and physical layer concepts already covered previous semester DC 	<ol style="list-style-type: none"> According to these suggestions SE and OOAD are merged as a single course and OOSE Lab also introduced in R19 Removed some of the concepts which are overlapped with DC and updated the syllabus with additional content.
Faculty	<ol style="list-style-type: none"> Increase the content of Design process and design axioms: Corollaries, design patterns. object oriented concepts can be reduced as they already studied in java subject during 2nd year Please move the COCOMO topics from Unit 1 to Unit 5 Please mention the List of Software Development Process Models in Unit-1 Please mention the List of Architecture styles in Unit 3 SE Lab content and SE theory content is not matching In Open Source Technologies we have many other important Technologies are there like Perl, Python, Ruby. 3 units are occupied in WT for Java related. But at End people are not doing mini project on Java. They are doing on PHP, Python. I am 	<ol style="list-style-type: none"> According to these suggestions SE and OOAD are merged as a single course and OOSE Lab also introduced in R19 According to the faculty recommendations revised the WT syllabus removed some of the outdated technologies and added MongoDB, NodeJS, ExpressJS

	not saying that removing java. but if we give priority to other technologies especially trending technologies it may give good result to their mini project and main project and also internship.	
Alumni	<ol style="list-style-type: none"> 1. Better to have a programming subject in second semester of first year 2. Addition of python programming. 3. Introducing IDE at First Year 4. Machine Learning and Neural Networks syllabus if fine. 5. Include Mobile Application Development with Android. 	<ol style="list-style-type: none"> 1. Due to tight pack of basic courses in first year currently it is not possible but in future we will try to accommodate programming course in first year second semester. 2. Python Programming added to the R20 Regulation 3. We will encourage students to use IDE for executing C. 4. Mobile Application Development is offering as a Honor course


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Department of **Electronics and Communication Engineering** Consolidated report on feedback and **action taken on syllabus/curriculum** for the academic year **2021-22**

Stakeholder	Suggestions	Action Taken
Faculty	<ul style="list-style-type: none">In course Satellite Communications & GPS Some topics need to be removed in unit-IIn course Microwave & radar engineering Unit-II and unit-IV need to be combined and unit-V has to be divided into two unitsIn Digital signal processing lab experiments using DSP kits and image processing based experiments need to addedData communications should be introduced as professional elective	All courses are revised and modified with necessary changes as recommended by faculty and approved in 8 th BOS meeting held in 14-5-2022.


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Department of Electrical and Electronics Engineering


Consolidated report on feedback and Action taken report on Syllabus / Curriculum for the academic year of 2021-22

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1. Introduce Embedded System Course along with the Embedded System Lab2. Conducting more value added courses in second & Third Year level.3. Include linear induction motor properties in PISM course.4. Include Buck converter , Boost converter, Buck-Boost Converter in power electronics course.	<ul style="list-style-type: none">➤ Embedded Course along with the Embedded Lab included in Third Year 1st semester as a professional core in R-20 Regulations approved in BOS held on 19-06-2021➤ Value added course are included in R-20 Regulations approved in BOS held on 19-06-2021➤ Linear induction motor properties included in PISM course in R-19 Regulations approved in BOS held on 19-06-2021.➤ Buck converter , Boost converter, Buck-Boost Converter included in power electronics course in R-20 Regulations approved in BOS held on 19-06-2021.


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Department of Information Technology

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2021-22.....

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1. Organization of the syllabus is required in Software Project Management.2. Suggested to remove Unit-5 in Artificial Intelligence subject as it requires strong knowledge of Computer Graphics subject.3. Suggested to realign Unit-1 in Artificial Intelligence.4. Suggested to introduce advanced topics and organization of the syllabus in Machine Learning.5. Suggested real-time exposure to Data Analytics may benefit the students to gain more knowledge.	<ol style="list-style-type: none">1. As suggested, reorganized the syllabus in R-19, and R-20.2. Changes were incorporated by replacing Robotics concept with Introduction to Neural Networks in R-19, R-20.3. Unit-1 is realigned in AI.4. As suggested, introduced the concepts of Features, Ensembling Techniques, and Various Classifier Models in Machine Learning in R-19, R-205. As per suggestion, we incorporated changes in Foundation on Data Science lab in R-19, R-20.

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Department of Mechanical Engineering

Consolidated report of faculty feedback on syllabus/curriculum and action taken (for AY 2021-22)

The feedback collected from the faculty through online mode mostly reflects to introduction of computer related courses and long duration internship programs, the feedback and the corresponding action are as given below.

1. **Suggestion:** Introduction of Python, Java and software related courses

Action taken: Python is introduced as an open elective/emerging subject in the first semester of third year course structure. To enhance the skills of students in modeling and drafting, a specialized course title CAMG is introduced in the second year curriculum. The students are trained on CREO software which is currently being used in the industry. The department is also conducting special classes and value added courses on Catia and Java programming language.

2. **Suggestion:** Introduction of courses in line with current trends like electric vehicles, robotics, DT labs etc. are necessary.

Action taken: The curriculum is continuously modified coherent with the current trends in industry to mould the students with the necessary skills. The course structure has been streamlined by introducing Robotics, DT as courses. Electric vehicles will be the next generation mode of transport. Taking this into preview, exclusive limits on electric vehicles, Hybrid vehicles along with the related topics line types of batteries, electric circuits etc. are included.

3. **Suggestion:** Internship program should be for long duration.

Action taken: Industrial training which was only in single phase till R-19 regulation is now modified into two phases structured over two semesters. Further the duration of training for each phase is minimum of 6 weeks.

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Faculty coordinator

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R. Seikanth

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Department of Basic Sciences & Humanities

Consolidated report on Faculty feedback and Action Taken Report on Curriculum for the academic year 2021-22

Department	Suggestions	Action Taken
Mathematics	Real time applications in Mathematics should be added in the syllabus	Will present in the next BOS .
Physics	1. Virtual labs needs Attention 2. Material Sciences courses should be incorporated	Will discuss and try to incorporate the same after discussing in the next BOS.
English	Activities to develop Soft Skills must be included in the syllabus.	We are making the students to actively participate in different activities related to the subject modules and this is also part of assessment

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Department of Chemical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. Students are requested for computer related courses.	1. Python is introduced in Computational Lab in R19 regulation.
Faculty	1. Some topics are available in more than one unit in Process dynamics and Control. 2. Few calculations and derivatives may be Engineering. in Material Science Engineering. 3. Suggested to inculcate medical applications of nanotechnology	1. Repeated topics are skipped and organized syllabus in R19 2. calculations and derivations are included in curriculum and omitted from assessment. 3. It is placed in R19 IV year BOS for approval
Alumni	1. Alumni requested to allow students to choose electives from other departments,	1. Open electives were offered in R15 an R19 curriculum
Employers	1. Industrial Safety and fire fighting techniques to be included. 2. Simulation techniques like Aspen, Pro-II, MATLAB etc.	1. Industrial safety course is included in 3 rd year R19 syllabus. 2. DWSIM software is being used in 4-1 for simulating equipment.

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Feedback on Curriculum from Faculty
Action Taken Report and Impact Analysis

Academic Year 2020-2021

S.No.	Course Code & Course Title	Suggestions	Analysis & Action taken	Impact Analysis
1	NA	No Major Modifications Suggested	To be presented in Board of Studies Meeting in March/April 2021. BoS Coordinator for necessary Action.	Accepted and Approved in the Board of Studies Meeting in March/April 2021


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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> Need additional coding practice for campus placement. DC is difficult to follow. 	<ol style="list-style-type: none"> Competitive Programming course is introduced in R19- III YEAR. Prescribed text book and reference text book has interchanged and included IOT related concepts.
Faculty	<ol style="list-style-type: none"> Java: Unit-IV and Unit-V need to revise to accommodate advanced topics. Java Lab: Better to add Mini application development using java in lab syllabus. 	<ol style="list-style-type: none"> Java Unit-V was replaced with Swings and EJB Case Studies are added in Java Lab Syllabus.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none"> Python, Data Science, Block Chain AR and VR, Hadoop Cloud computing Machine learning, Artificial Intelligence 	<ol style="list-style-type: none"> B-Tech CSE with AI & ML program has started from this academic year in R20 regulation. B-Tech CSE with Data Science program has started from this academic year in R20 regulation. Cloud computing syllabus updated according to industry requirements.

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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1. In course Digital Communications it is expressed syllabus is lengthy2. New techniques such as OFDM should be included.3. In course Antennas and Wave Propagation it is expressed topics related to practical antennas may be reduced.	In R19 3 rd year I-Semester, in course Digital communications CMOS and UNIT-V is revised and in course Antennas and wave propagation topics related to practical antennas is removed as suggested and approved in 7 th BOS meeting held on 19.06.2021

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Department of Electrical and Electronics Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-2021

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1) Introduce AC transients in network theory syllabus.2) Include pointing theorem and energy conservation in electro magnetics syllabus.3) Include diesel power plants in electrical power generation and utilization syllabus.4) Include all day efficiency and open delta connection in performance of DC machines and Transformers syllabus.	<ul style="list-style-type: none">• AC transients topic is included in Network Theory course in R-20 regulations approved in the BoS held on 12th June 2020.• Diesel power plant topic is included in Electrical power generation and utilization course in R-20 regulations approved in the BoS held on 12th June 2020.


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Department of ...Information Technology.....


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2020-21.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to explore the basic concepts of microprocessors. 2. Suggest to introduce emerging subjects as mandatory courses. 3. Suggested to introduce trending topics as elective subjects. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated changes in the microprocessor in R-19, and R-20. 2. As per the feedback, we incorporated emerging subjects like IoT, and AI in R-19, and R-20. 3. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	<ol style="list-style-type: none"> 1. Introduce more case studies on ER models, conversion of ER model to Relational model, and normalizing database application in Database Management Systems Lab. 2. Incorporate usage of telephone and cable networks for data transmission in the Data Communications subject. 3. Suggested to include Multi-Threaded Programming, Free space management, Virtual machines, Thrashing and log-structured file in Operating Systems subject. 4. Suggested to include Schemas, Item set, Ensembling, Issues in Data Warehousing and Mining. 5. Suggested to restructure the syllabus for Computer Networks 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 19/6/2021 and were incorporated in the syllabus of R-19, R-20.

		lab in R-19, R-20 (Annexure-I, Pg.No.39).
Alumni	1. Knowledge of dynamic coding is required from B. Tech II nd year onwards.	1. Suggestions by the alumni were considered, introduced Hacker rank and GDB compilers for Data Structures Lab in R-20.
Employers	<p>1. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills.</p> <p>2. Suggested to include advanced topics like R, Python in curriculum, as it is an on-demand course.</p> <p>3. New topics like AWS/AZURE needed to be incorporated in the curriculum to make the students industry ready.</p>	<p>1.1 GitHub Essentials subject was introduced as a Generalized Minor in R-20.</p> <p>1.2 GitHub Introduction was given in DevOps Lab (Elective) (Annexure-II Pg. No. 81)</p> <p>2. As suggested, we have Advanced Python, Deep Learning, Data Science, Elective Labs in our curriculum in IInd year Ist, IInd semesters in R-19, R-20.</p> <p>3. Incorporated the new topic as a case study in Cloud Computing in R-19, R-20 (Annexure-I Pg. No. 20).</p>


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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. It is suggested to introduce different types of weldings as experiment in Machine Tools lab	1. Spot welding was included in the revised curriculum as per R-20 regulations.
Faculty	1. It is suggested to include Maxwell relations in Basic Thermodynamic course	1. The topic suggested by the faculty was included in R-20 regulation while framing the syllabus of Basic Thermodynamic course.
Alumni	1) The alumni suggest to introduce Design Thinking as a course in view of the present trend which could be of use for establishing startups.	1. Design Thinking has been included as a regular course from R-19 regulation. This will be helpful for create an innovative mindset and inculcate a habit of thinking to develop engineering models.

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DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on faculty feedback (2019-20)

S. No.	Observations	Action taken
1	Faculty felt to include new courses like Design Thinking and Entrepreneurship in the curriculum.	Design thinking and Entrepreneurship courses are added as electives in II year II semester in R-19 regulations.
2	Numerical methods in Chemical Engineering course is to be added with topics like algebraic equations, ODE and PDEs.	New syllabus is framed taking these suggestions into account.

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Feedback on Curriculum from Faculty

Action Taken Report and Impact Analysis

Academic Year 2019-2020

S.No.	Course Code & Course Title	Suggestions	Impact Analysis
1 P.S.1	CIV225 Structural Analysis-I	It is suggested to add Fixed beams in Structural Analysis-I and move moving loads to the second semester.	It has been resolved to include the recommended topics and carryout the necessary reshuffling. Accepted and Approved in the Board of Studies Meeting in March/April 2020
2	CIV 224 Surveying- II	It is suggested to add Drone surveying topic in Modern Surveying Unit, as it is advanced surveying equipment used in industry now a days	It has been resolved to include recommended topics in line with the current and emerging trends. Accepted and Approved in the Board of Studies Meeting in March/April 2020
3 C.A.3	CIV226 Building Planning & Drawing	Drawing exercises on RCC buildings may be introduced	It has been resolved to include recommended topics in line with the industry requirements. Accepted and Approved in the Board of Studies Meeting in March/April 2020

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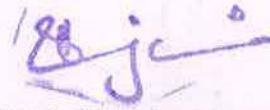
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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. Need Python programming.2. It will be helpful if C-Lab has theory.	<ol style="list-style-type: none">1. Python Programming is introduced as open elective in R19 3rd year and is approved in the BOS meeting held on 30-3-2019.2. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.
Faculty	<ol style="list-style-type: none">1. C Lab: Only Lab is not enough for better understanding should include theory.2. Java Lab: Better to add Mini application development using java in lab syllabus.	<ol style="list-style-type: none">1. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.2. Java Lab: Designing of mini application using java is added in the Java Lab syllabus in R19 – II year and approved in the BOS meeting held on 23-5-2020.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Python, Data Science, Block Chain2. AR and VR, Hadoop3. Cloud computing4. Machine learning, AI5. ADS6. Python7. Soft-skills8. Project implementations9. JSP, PHP, Oracle	<ol style="list-style-type: none">1. AI & ML is offered as a new program with CSE2. Data-Science is offered as a new program with CSE3. Cloud computing and ML are offered as Professional Electives R15 4th year and approved in the BOS meeting held on 28-4-2018.4. JSP, PHP are in OST LAB This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.

<p>Employers</p>	<ol style="list-style-type: none"> 1. The recruiters were positive about the student's ability to learn new things. 2. Students need to be aware on the current trends. 	<ol style="list-style-type: none"> 1. Introducing Python Programming as open elective to CSE & other departments also in R19 – III year and is approved in the BOS meeting held on 30-3-2019. 2. Encouraging the students to complete MOOC courses on new trends.
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Department of Electronics and Communication Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Faculty	<p>1. In course Digital Communications it is expressed syllabus is lengthy and new techniques such as OFDM should be included.</p> <p>2. In course Integrated circuits and Applications it is recommended to remove topics related to CMOS and topics related to Digital ICs in UNIT-V is redundant.</p> <p>3. In course Antennas and Wave Propagation it is expressed topics related to practical antennas may be reduced.</p>	<p>In R19 3rd year I-Semester, in course Digital communications OFDM is included in UNIT-V, in course Integrated circuits and applications topics related to CMOS and UNIT-V is revised and in course Antennas and wave propagation topics related to practical antennas is removed as suggested and approved in 7th BOS meeting held on 19.06.2021</p>

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Department of Electrical and Electronics Engineering


Consolidated report on Faculty feedback on Curriculum and action taken on Report for the academic year 2019-2020

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1) Introduce AC transients in network theory syllabus.2) Include power factor improvement and diesel power plant in electrical power generation and utilization syllabus.3) Include digital protective devices in power system protection syllabus.4) Include 5 variable K map in digital logic design syllabus.	<ul style="list-style-type: none">• AC transients topic is included in Network Theory course in R-20 regulations approved in the BoS held on 12th June 2020.• Power factor improvement and diesel power plant topics are included in Electrical power generation and utilization course in R-20 regulations approved in the BoS held on 12th June 2020.


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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2019-20.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to introduce emerging subjects as mandatory courses. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated emerging subjects like IoT, Data Analytics in R-19, R-20.
Faculty	<ol style="list-style-type: none"> 1. Reinforcement Techniques to be included in the Artificial Intelligence Syllabus. 2. Advanced topics like Iterators, Generators, Decorators, Regular Expressions to be included in Python Programming. 3. Installation of popular tools can be introduced in Analytics Lab. 4. Suggested to reduce the syllabus of Object-Oriented Analysis and Design. 5. Suggested to include a mini project for CASE Tools Lab. 6. Recommended to remove Computational Learning Theory in UNIT-IV and incorporate Neural Network Concepts in Artificial Intelligence subject. 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 27/5/2020 and were incorporated in the coarse draft syllabus of R-19, R-20.
Alumni	<ol style="list-style-type: none"> 1. Knowledge of Soft, Quantitative & Verbal Analysis is required for getting placements. 	<ol style="list-style-type: none"> 1. Suggestions by the alumni were considered, introduced Soft Skills & QA-2 in R-20.
Employers	<ol style="list-style-type: none"> 1. Suggested to have Good Knowledge on AWS/AZURE cloud services 2. Suggested to have Basic idea on Visualization tool. 3. Suggested to have knowledge in Visualization tools like Power BI/Tableau. 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 	<ol style="list-style-type: none"> 1. As suggested, we incorporated cloud computing in IVth year Ist Semester as a professional elective in R-19. 2. As per the recommendation, basic idea of Visualization topic was included in Data Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19. 3. GitHub Essentials subject was introduced as a Generalized

	<ol style="list-style-type: none"> 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 5. Recommended to focus on application of each subject. 6. Students need to have applicative based learning. They need to be ready for future digital skills. 7. Suggested to include Python in curriculum, as it is the on-demand coding language 8. Suggested to encourage students to participate in online coding competitions conducted by HackerRank to help boost their confidence in coding and add more credibility. 	<p>Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19.</p> <ol style="list-style-type: none"> 3. GitHub Essentials subject was introduced as a Generalized Minor in R-20. 4. Data Structures subject was designed as application oriented in IInd year Ist Semester Subject in R-19, R-20. 5. As suggested, we have Python in our curriculum in IInd year Ist, IInd semesters in R-15, R-19, R-20. 6. Data Structures Lab experiments were practiced on GDB Compiler, HackerRank platforms in R-19, R-20.
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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	1. Gerber's theory need to be added in Design of Machine elements –I	1. Gerber's theory topic will be added in Design of Machine elements –I in 3 rd year 1 st semester R-19 regulations. This will be put up for approval of BOS.
Faculty	1. A topic on Al-Cu , Cu-Zn phase diagrams to be added in Material Science and Metallurgy	1. The suggestions given by faculty are duly considered. Al-Cu , Cu-Zn phase diagrams are added in 2 nd year 1 st semester R-19 regulations. This is approved in the BOS held on 23/05/2020 in online mode.
Alumni	1. Suggested to add Line standards & End standards in Metal cutting & Machine tools and Metrology course.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in September 2019. APMC Coordinator for necessary Action.
Employer	Name and designation of resource person: Sridhar J, project manager Infosys . The employer has given constructive suggestions to enhance the skills of the students through the following <ul style="list-style-type: none">➤ Introduce Business Communication both writing and speaking skills➤ To include subjects/topics for related Mechanical softwares.	The department will incorporate the given suggestions to enhance the quality of technology of Teaching Learning process. It has planned to introduce skill development courses which will give a hands on experience to the students using Mechanical softwares like Autocad, Solidworks and ANSYS comprehensively. The courses to be added in R-20 regulations are Engineering Graphics, Advanced Engineering Graphics and Computer aided Modelling. These subjects will be

		taught with the aid of computer. Further it has planned to introduce Python program/Data structures as open electives offered by CSE department.
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DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on faculty feedback (2018-19)

S. No.	Observations	Action taken
1	Biology for Engineers can be added to the curriculum as suggested by AICTE.	Biology for Engineers course is added in I year II Semester in R-19 regulations

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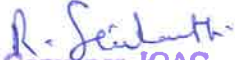
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Feedback on Curriculum from Faculty
Action Taken Report and Impact Analysis

Academic Year 2018-2019

S.No.	Course Code & Course Title	Suggestions	Impact Analysis
1 CWS	Building Technology	It is suggested to merge Civil Engineering Materials and Building Technology as single subject to be taught in 1 st year. Some topics like Terra-Cotta, earthen ware, stone ware etc needed to be removed as they are outdated. Syllabus has to be prepared considering Competitive exams and present Trends in construction industry.	A new subject "Building Technology" is framed as per the suggestions. The above said subject is Accepted and Approved in the Board of Studies Meeting in March/April 2019


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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CN: Need Security related advanced topics.2. DBMS: Include non relational database with more examples.	<ol style="list-style-type: none">1. CS: Cyber Security is offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NOSQL Databases – offered as Professional Elective in R15 4th year and approved in the BOS meeting held on 28-4-2018
Faculty	<ol style="list-style-type: none">1. DWDM: Current industry demands ML related course, to meet industrial needs better to introduce Machine Learning as a course. So the Students can get more placements.2. AI: It is better to add new courses like Machine Learning, Neural Networks and Deep Learning to meet the current technologies.	<ol style="list-style-type: none">1. Machine Learning, Cloud Computing and Mobile Computing are introduced as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NNDDP: Neural Networks & Deep Learning offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Data base administration2. NOSQL Database3. HTML,CSS,SQL	<ol style="list-style-type: none">1. DBMS LAB - application based experiments are added to the lab syllabus. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. NOSQL Databases – offered as Professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018.3. HTML, CSS – are included in OST LAB. This Lab is introduced in R15 3rd year and

		approved in the BOS meeting held on 25-3-2017.
Employers	<ol style="list-style-type: none"> 1. Recruiters from education stated that the students are strong in their domain knowledge, however communication skills need improvement. 2. Courses related to R, Python can be introduces. 	<ol style="list-style-type: none"> 1. Soft skills lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017. 2. Python Programming is offering as open elective to other departments in R15 – III year and is approved in BOS meeting held on 30-3-2019.



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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1. In course Signals and systems topic DFT in UNIT-IV may be removed and UNIT-V is to be revised.2. In course Digital Electronics topic VEM may be removed and topics in Asynchronous design should be reduced.3. In course ECA-I units need to be reorganized as<ol style="list-style-type: none">(i) Linear wave shaping circuits(ii) Non linear wave shaping circuits(iii) Transistors(iv) Applications	In R19 2 nd year 1-Semester, courses signals and systems, Digital Electronics and ECA-I were revised and modified with necessary changes as recommended by faculty and approved in 6 th BOS meeting held on 27.05.2020

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Department of Electrical and Electronics Engineering


Consolidated report on Faculty feedback on Curriculum and action taken on Report for the academic year 2018-2019

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1. Suggested to include Q meter, DVM and CRO in electrical measurements syllabus.2. Include armature winding in DC machines in performance of electrical machines-1 syllabus.3. Exclude DIAC topic from power electronics syllabus.4. Include RLC network synthesis in network theory syllabus.	<ul style="list-style-type: none">• RLC network synthesis topic is included in Network Theory course in R-20 regulations approved in the BoS held on 12th June 2020.


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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2018-19.....

Stakeholder	Suggestions	Action Taken
Students	1. Suggested to introduce trending topics as elective subjects.	1. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	1. Online Compilers are recommended for Data Structures Lab to get the exposure on Coding Contests. 2. Suggested to add Wrapper Classes & Accessing Methods in Object Oriented Programming Though Java.	1. After Discussion, Feedback given by the teachers was considered and were incorporated in the syllabus of R-19 in Board of Studies held on 30/3/2019.
Alumni	1. Implementation of projects from Third year onwards will be helpful to get into industry. 2. Recommended to incorporate GitHub Fundamentals, DevOps and Cloud Computing.	1. As suggested, industry internship is divided in to two phases in R-19. 2. Suggestions by the alumni were considered by including cloud computing as a professional elective in R-19.
Employers	1. Suggested to keep C++, Java courses (or latest trend courses) as mandatory in the first two years of curriculum of Engineering.	1. As suggested, we already have C++ in II nd year 1 st semester in R-15, Object Oriented Programming using JAVA in II nd year II nd semester in R-19.

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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	1. Disc brake concept need to be added in Design of Machine elements -II	1. The concept of Disc brake will be implemented in the Design of Machine elements -II course in 3 rd year 2 nd semester R-19 regulations.
Faculty	1. Title to be modified based on syllabus in Engineering Thermodynamics-1	1. By observing the syllabus unit wise the name of the subject changed from Engineering Thermodynamics-1 to Basic Thermodynamics in 2 nd year 1 st semester R-19 regulations.
Alumni	1. As Present jobs are more inclined towards software, new courses related to programming can be implemented in the curriculum.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in October 2018. APMC Coordinator for necessary Action.
Employer	<p>Name and designation of resource person: Hanuma Prasad Narahari senior project manager Infosys limited. The employer has suggested to look into the feasibility of includes the following subjects</p> <ul style="list-style-type: none"> ➤ Nano technology ➤ Smart Manufacturing ➤ Agricultural Engineering ➤ Alternative/Renewable and sustainable energy engineering <p>Further the employer suggested introducing cross discipline elective courses and also including c++, Java or</p>	<p>Considering the invaluable suggestions, the department in a right earnest wise develop the R-19 curriculum. The department will introduce the following courses as professional electives</p> <ul style="list-style-type: none"> ➤ Additive Manufacturing ➤ Automation in Manufacturing <p>These two courses are in line with the subject of Smart Manufacturing. Further a professional elective course on Nanotechnology is also be incorporated in the curriculum to be developed.</p>

	any other latest computer language in the engineering curriculum.	
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DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on faculty feedback (2017-18)

S. No.	Observations	Action taken
1	Temperature and Concentration distributions in turbulent flow can be skipped from the Transport Phenomena Course	The mentioned topics are skipped from the syllabus.
2	Chemical Engineering Mathematics can be dropped from the curriculum as the most topics are covered in Process Modelling and Simulation subject.	The subject is dropped out from the curriculum and Process Modelling and Simulation subject is made as a compulsory course in IV year I Semester.
3	Nanotechnology can be added as a new course in the curriculum.	Nanotechnology is added to the curriculum as an elective in IV year I Semester.
4	Chemical Engineering related problems need to be added in the Process Optimization subject.	Topics related to Chemical Engineering are added in the Process Optimization subject.

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Prof. S. Subba Rao
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ENGINEERING

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Feedback on Curriculum from Faculty

Action Taken Report and Impact Analysis

Academic Year 2017-2018

S.No.	Course Code & Course Title	Suggestions	Action Taken
1 MRC	CE312 Steel Structures – I	It is suggested to exclude roof trusses topic, as this topic is studied separately in tension and compression members.	It has been resolved to exclude recommended topics. Accepted and Approved in the Board of Studies Meeting in March/April 2018
2 MRC	CE416 Computer applications in Civil Engineering	It is suggested to have lab course on STAAD Pro	It has been resolved to establish an additional lab CACE-II to accommodate additional softwares in line with the current and emerging trends in the industry. Accepted and Approved in the Board of Studies Meeting in March/April 2018
3	CE421 Transportation Engineering II	It is recommended to include topics like coning of wheels, gauges etc. Also, it may be considered for offering the course in earlier semesters to ease IV-II Semester	It has been resolved to include recommended topics and consider for shifting the course to earlier semester IV-I. Accepted and Approved in the Board of Studies Meeting in March/April 2018
4	CE425 Project Work	It is suggested to Split the project work in two courses. A new Course Project work-I will be added in 4th year I semester	It has been accepted and approved in the Board of Studies Meeting in March/April 2018.

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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CA: Include case study2. IP: Need practical examples.3. CNS: Required case studies.	<ol style="list-style-type: none">1. CA: Intel core i7, IBM 360, ARM Cortex A-8 case studies are added at end of each unit, it is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. IP is revised as DIP and offered as elective in R15 3rd year and approved in the BOS meeting held on 25-3-2017.3. CNS: Case Studies are added and is this course introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Faculty	<ol style="list-style-type: none">1. DCNP- The concepts of hyper terminal, dial-up networking should be replaced with new concepts of networking tools as this curriculum doesn't include latest topics2. CN: The course Mobile Computing is recommended for students to increase their employability skills. Due to high market demand in this area, this course is advisable to introduced.	<ol style="list-style-type: none">1. DCNP LAB: Removed old technology DC programs and added simulator based NP programs to the CNLA. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. Mobile Computing course is introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.

<p>Alumni</p>	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none"> 1. J2EE, Raptor, Machine Learning 2. Advanced Programming Language 3. Advanced explorations of subjects 	<ol style="list-style-type: none"> 1. Machine Learning introduces as professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018. 2. Suggesting the students to enroll for Python MOOC course. 3. Advanced Data Structures introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017
<p>Employers</p>	<ol style="list-style-type: none"> 1. Employers highlighted the importance to improve upon the domain knowledge to meet the emerging societal needs. 	<ol style="list-style-type: none"> 1. Digital Image processing is considered to offer as a professional electives in R15 3rd year and approved in the BOS meeting held on 25-3-2017 2. New Courses like Big-Data Analytics, Soft Computing and Cryptography & Network Security introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.



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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Faculty	1.Course BEE need to be revised and it is expressed that syllabus is lengthy and difficult for students to understand.	In R19 1 st year I-Semester, course BEE is revised and modified with necessary changes as recommended by faculty and approved in 5 th BOS meeting held on 30.3.2019

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Department of Electrical and Electronics Engineering

Consolidated report on Faculty feedback on Curriculum and action taken on Report for the academic year 2017-2018

Stakeholder	Suggestions	Action Taken
Faculty	<ol style="list-style-type: none">1) Suggested to include microprocessor based relays in power system protection syllabus.2) Include power electronic drives in electrical drives and traction syllabus.3) Include compensators and state space analysis in linear control systems syllabus.4) Include MCB design in power system protection syllabus	<ul style="list-style-type: none">• Power semiconductor drives course is included in R-15 regulations approved in the BoS held on 28th April 2018.


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Department ofInformation Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2017-18.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> Suggested to introduce Testing topic in UML Suggested to replace Technology management, Intellectual Property Rights subjects with any other trending subject. Suggested to combine Digital Electronics and Computer Organization experiments 	<ol style="list-style-type: none"> Changes were made in the suggested subject for R-19. Analysis was done and the necessity of changes were forwarded for discussion in Board of Studies held on 25/3/2017, and were incorporated in the course structure of R-19. As suggested, both DLD and CO were combined and incorporated in R-19.
Faculty	<ol style="list-style-type: none"> Suggested to add Php and advanced concepts in Web Technology subject. Try to revise the concepts like Memory management which is common for both Operating Systems, Computer Organization subjects. Suggested to integrate Formal Languages and automata Theory and Compiler Design subjects so that scope can be given for inclusion of latest subjects. 	<ol style="list-style-type: none"> After Discussion, Feedback given by the teachers was considered and reflected in corresponding subjects for R-19. As suggested, integrated both subjects in R-19.
Alumni	<ol style="list-style-type: none"> Industry requires practical exposure, so make an effort to incorporate more labs. 	<ol style="list-style-type: none"> Suggestions by the alumni were finalized in Board of Studies held on 25/3/2017 and incorporated elective labs like ETL, DevOps and Advanced Java in R-19.
Employers		

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Department of Mechanical Engineering


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	1. It is suggested to rename the Theory of Machines-II as Dynamics of Machinery	1. The suggestion is good enough and will be implemented in the R-19 regulations.
Faculty	1. Gas power Cycles and their analysis has to be included in Engineering Thermodynamics-III 2. Belt drives topic has to be added in Design of Machine elements -II	1. The suggestion is well received by including the Gas power Cycles and their analysis in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017. 2. The syllabus is modified by including Belt drives topic in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017.
Alumni	1. Fluid Mechanics syllabus is vast and requires a review to reduce the contents if possible. 2. software's like CREO has to be introduced in the curriculum.	1. The syllabus of Fluid mechanics was reviewed in Academic Planning and Monitoring cell Meeting in October 2017 and it was decided to merge Fluid Mechanics & Hydraulic Machinery while designing the course structure of upcoming regulations. 2. The suggestion to introduce CREO software as a part of CAD subject was discussed in Academic Planning and Monitoring cell Meeting in October 2017. It was felt that since CAD subject has all the contents required it will not be possible to include this. However it was suggested that training on CREO software can be done through workshops taking the assistance of agencies like APSSDC.

<p>Employer</p>	<p>Name and designation of resource person: Devendra Vara Prasad Sesetti, Assistant Manager, Hyundai Motors. The employer has suggested to incorporate Finite Element Analysis, Robotics, Automation in Manufacturing and Electronics related courses in curriculum.</p>	<p>Based on the valuable feedback given by the employer it is decided in the department meeting that the following subjects will be included as professional elective/open electives</p> <ul style="list-style-type: none"> ➤ Automation in Manufacturing ➤ Robotics ➤ Python/Java programming <p>It is also decided to include a basic subject on Electronics in the first year itself in R-19 regulation. The fundamentals learned through this course will be useful in learning advanced subjects like Automation in Manufacturing, Robotics and Mechatronics.</p>
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